(1) $y = \cos\sqrt{1-x^2}$

$y = \cos\sqrt{1-x^2} = \cos((1-x^2)^{\frac{1}{2}}$

$y' = -\sin(1-x^2)^{\frac{1}{2}} \times \frac{-2x}{2\sqrt{1-x^2}} = \frac{x}{\sqrt{1-x^2}} \sin\sqrt{1-x^2}$

$\therefore y' = \frac{x}{\sqrt{1-x^2}} \sin\sqrt{1-x^2}$

(2) $y = \cos(\sin x)$

$y' = -\sin(\sin x)\cos x$

$\therefore y' = -(\cos x)\sin(\sin x)$

(3) $y = \frac{\ln x}{e^x}$

$y = \ln x \cdot e^{-x}$

$y' = \frac{1}{x}e^{-x} - \ln x e^{-x} = (\frac{1}{x} - \ln x)e^{-x}$ $\therefore y' = (\frac{1}{x} - \ln x)e^{-x}$